



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141163

Mode: Highway

Status: Submitted

SR-1357 (Smith Rd)

From/Cross Street: US 17

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 17 BUS (Main Street)

Project Category: Division Needs

Length: 0.96

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$7,824,000

Description:

Widen Smith Avenue (SR 1357) to a multi-lane facility with sidewalk from US 17 to US17 Business/Main Street (SR 1434).

Division(s): Division 3

County(s): BRUNSWICK

MPOS(s)/RPO(s): Grand Strand Transportation Study Area

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points: 0	Percent: 15% Points: 0

Division Needs Total Score: 33.25

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 14.70 Safety (20%) 26.55 Multimodal + [Freight & Military] (10%) 0.00 Totals: Weight: 50% Weighted Score: 8.25	Percent: 25% Points: 0	Percent: 25% Points: 100

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	36
Length (miles):	0.96
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	3500.01
Capacity:	15785.44
Volume/Capacity Ratio:	0.22
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	31.88
Crash Severity:	31.88
Critical Crash Rate:	15.92
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	83
Actual Congested Speed:	0
Travel Time Index:	

Project Benefits

Project Cross-Section:	4D - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	0.96
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Major Collector
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	254189.04
Travel Time Savings for 30 Years (Autos):	254189.04
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	GSATS 2035 Long Range Transportation Plan (LRTP) – Appendix H “North Carolina”
CTP/LRTP Completion Year:	2014
Submitted by:	Grand Strand Transportation Study Area

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Grand Strand Transportation Study Area	100%	0	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	100

Project Cost and Source

Construction Cost:	\$6,300,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,361,000	Cost Estimation Tool
Utilities Cost:	\$163,000	Cost Estimation Tool
Total Project Cost:	\$7,824,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$7,824,000	